

# The Red-Hot Research Papers of 2005

Rank	Paper	Citations	Rank	Paper	Citations
1	P.M. Ridker, <i>et al.</i> , "C-reactive protein levels and outcomes after statin therapy," <i>New Engl. J. Med.</i> , 352(1): 20-8, 6 January 2005.	124	21	A. Bairoch, <i>et al.</i> , "The universal protein resource (UniProt)," <i>Nucl. Acids Res.</i> , 33: D154-9, 1 January 2005.	52
2	G.H. Bardy, <i>et al.</i> , "Amiodarone or an implantable cardioverter-defibrillator for congestive heart failure," <i>New Engl. J. Med.</i> , 352(3): 225-37, 20 January 2005.	107	22	S. Maeda, <i>et al.</i> , "Nod2 mutation in Crohn's disease potentiates NF- $\kappa$ B activity and IL-1 $\beta$ processing," <i>Science</i> , 307(5710): 734-8, 4 February 2005.	52
3	S.D. Solomon, <i>et al.</i> , "Cardiovascular risk associated with celecoxib in a clinical trial for colorectal adenoma prevention," <i>New Engl. J. Med.</i> , 352(11): 1071-80, 17 March 2005.	97	23	D.J. Graham, <i>et al.</i> , "Risk of acute myocardial infarction and sudden cardiac death in patients treated with cyclo-oxygenase 2 selective and non-selective non-steroidal anti-inflammatory drugs: Nested case-control study," <i>Lancet</i> , 365(9458): 475-81, 5 February 2005.	50
4	R.S. Bresalier, <i>et al.</i> , "Cardiovascular events associated with rofecoxib in a colorectal adenoma chemoprevention trial," <i>New Engl. J. Med.</i> , 352(11): 1092-1102, 17 March 2005.	93	24	A. Tsukazaki, <i>et al.</i> , "Repeated temperature modulation epitaxy for p-type doping and light-emitting diode base on ZnO," <i>Nature Materials</i> , 4(1): 42-6, January 2005.	50
5	J.C. Barrett, <i>et al.</i> , "Haploview: analysis and visualization of LD and haplotype maps," <i>Bioinformatics</i> , 21(2): 263-5, 15 January 2005.	90	25	J.G.F. Cleland, <i>et al.</i> , "The effect of cardiac resynchronization on morbidity and mortality in heart failure," <i>New Engl. J. Med.</i> , 352(15): 1539-49, 14 April 2005.	48
6	S.E. Nissen, <i>et al.</i> , "Statin therapy, LDL cholesterol, C-reactive protein, and coronary artery disease," <i>New Engl. J. Med.</i> , 352(1): 29-38, 6 January 2005.	82	26	X.H. Xie, <i>et al.</i> , "Systematic discovery of regulatory motifs in human promoters and 3' UTRs by comparison of several mammals," <i>Nature</i> , 434(7031): 338-45, 17 March 2005.	48
7	D.A. Hinds, <i>et al.</i> , "Whole-genome patterns of common DNA variation in three human populations," <i>Science</i> , 307(5712): 1072-9, 18 February 2005.	74	27	D.D. Sarbassov, <i>et al.</i> , "Phosphorylation and regulation of Akt/PKB by the rictor-mTOR complex," <i>Science</i> , 307(5712): 1098-1101, 18 February 2005.	46
8	L.P. Lim, <i>et al.</i> , "Microarray analysis shows that some microRNAs downregulate large numbers of target mRNAs," <i>Nature</i> , 433(7027): 769-73, 17 February 2005.	73	28	A. Marchler-Bauer, <i>et al.</i> , "CDD: a conserved domain database for protein classification," <i>Nucl. Acids Res.</i> , 33: D192-6, 1 January 2005.	46
9	E.R. Miller, <i>et al.</i> , "Meta-analysis: High-dosage vitamin E supplementation may increase all-cause mortality," <i>Ann. Intern. Med.</i> 142(1): 37-46, 4 January 2005.	73	29	O. Abe, <i>et al.</i> , "Effects of chemotherapy and hormonal therapy for early breast cancer on recurrence and 15-year survival: an overview of the randomized trials," <i>Lancet</i> , 365(9472): 1687-1717, 14 May 2005.	45
10	A. Howell, <i>et al.</i> , "Results of the ATAC (Arimidex, Tamoxifen, Alone or in Combination) trial after completion of 5 years' adjuvant treatment for breast cancer," <i>Lancet</i> , 365(9453): 60-2, 1 January 2005.	69	30	P.M. Ridker, <i>et al.</i> , "A randomized trial of low-dose aspirin in the primary prevention of cardiovascular disease in women," <i>New Engl. J. Med.</i> , 352(13): 1293-1304, 31 March 2005.	45
11	J.C. LaRosa, <i>et al.</i> , "Intensive lipid lowering with atorvastatin in patients with stable coronary disease," <i>New Engl. J. Med.</i> , 352(14): 1425-35, 7 April 2005.	67	31	R. Stupp, <i>et al.</i> , "Radiotherapy plus concomitant and adjuvant temozolomide for glioblastoma," <i>New Engl. J. Med.</i> , 352(10): 987-96, 10 March 2005.	45
12	E.J. Baxter, <i>et al.</i> , "Acquired mutation of the tyrosine kinase JAK2 in human myeloproliferative disorders," <i>Lancet</i> , 365(9464): 1054-61, 19 March 2005.	65	32	K. Abazajian, <i>et al.</i> , "The third data release of the Sloan Digital Sky Survey," <i>Astronom. J.</i> , 129(3): 1755-9, March 2005.	45
13	C. James, <i>et al.</i> , "A unique clonal JAK2 mutation leading to constitutive signalling causes polycythaemia vera," <i>Nature</i> , 434(7037): 1144-8, 28 April 2005.	64	33	H. Shigematsu, <i>et al.</i> , "Clinical and biological features associated with epidermal growth factor receptor gene mutations in lung cancers," <i>J. Natl. Cancer Inst.</i> , 97(5): 339-46, 2 March 2005.	43
14	R. Kralovics, <i>et al.</i> , "A gain-of-function mutation of JAK2 in myeloproliferative disorders," <i>New Engl. J. Med.</i> , 352(17): 1779-90, 28 April 2005.	61	34	S.A. Mayer, <i>et al.</i> , "Recombinant activated factor VII for acute intracerebral hemorrhage," <i>New Engl. J. Med.</i> , 352(8): 777-85, 24 February 2005.	42
15	R.L. Levine, <i>et al.</i> , "Activating mutation in the tyrosine kinase JAK2 in polycythemia vera, essential thrombocythemia, and myeloid metaplasia with myelofibrosis," <i>Cancer Cell</i> , 7(4): 387-97, April 2005.	60	35	A.T. Petkova, <i>et al.</i> , "Self-propagating, molecular-level polymorphism in Alzheimer's beta-amyloid fibrils," <i>Science</i> , 307(5707): 262-5, 14 January 2005.	42
16	N.A. Nussmeier, <i>et al.</i> , "Complications of the COX-2 inhibitors parecoxib and valdecoxib after cardiac surgery," <i>New Engl. J. Med.</i> , 352(11): 1081-91, 17 March 2005.	60	36	K.D. Pruitt, <i>et al.</i> , "NCBI Reference Sequence (RefSeq): a curated non-redundant sequence database of genomes, transcripts and proteins," <i>Nucl. Acids Res.</i> , 33: D501-4, 1 January 2005.	42
17	T. Araki, <i>et al.</i> , "Measurement of neutrino oscillation with KamLAND: Evidence of spectral distortion," <i>Phys. Rev. Lett.</i> , 94(8): 081801, 4 March 2005.	59	37	J. Wunderlich, <i>et al.</i> , "Experimental observation of the spin-Hall effect in a two-dimension spin-orbit coupled semiconductor system," <i>Phys. Rev. Lett.</i> , 94(4): 047204, 4 February 2005.	41
18	R.W. Snow, <i>et al.</i> , "The global distribution of clinical episodes of <i>Plasmodium falciparum</i> malaria," <i>Nature</i> , 434(7030): 214-7, 10 March 2005.	58	38	W.P. Gilks, <i>et al.</i> , "Common LRRK2 mutation in idiopathic Parkinson's," <i>Lancet</i> , 365(9457): 415-6, 29 January 2005.	41
19	K.S. Kobayashi, <i>et al.</i> , "Nod2-dependent regulation of innate and adaptive immunity," <i>Science</i> , 307(5710): 731-4, 4 February 2005.	56	39	B.E. Bernstein, <i>et al.</i> , "Genomic maps and comparative analysis of histone modifications in human and mouse," <i>Cell</i> , 120(2): 169-81, 28 January 2005.	40
20	S. Kobayashi, <i>et al.</i> , "EGFR mutation and resistance of non-small-cell lung cancer to gefitinib," <i>New Engl. J. Med.</i> , 352(8): 786-92, 24 February 2005.	53	40	W.C. Nichols, <i>et al.</i> , "Genetic screening for a single common LRRK2 mutation in familial Parkinson's disease," <i>Lancet</i> , 365(9457): 410-2, 29 January 2005.	40

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